

20021009.qrp v02\_n704.qrl.20021009

Date: Wed, 9 Oct 2002 19:03:06 EDT  
From: qrp-1@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: QRP-L digest 2704

QRP-L Digest 2704

Topics covered in this issue include:

- 1) [137622] Sale: DSW-30  
by "Jay Bromley" <w5jay@alltel.net>
- 2) [137623] Re: Age/Years a Ham  
by Rob Matherly <w0jrm@arrl.net>
- 3) [137624] Winter FOX Coming Soon  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 4) [137625] FS Heath power supply  
by "Saad Mahaini" <n5ff@attbi.com>
- 5) [137626] RE: Notch Filter chips from National  
by "laura halliday" <marsgal42@hotmail.com>
- 6) [137627] Re: OT: Twin lamp SWR detector in '57 Handbook  
by Dave Hottell <hottell@gulftel.com>
- 7) [137628] Spartan Sprint Log Deadline  
by "John Huffman" <hjohnc@core.com>
- 8) [137629] Rock-Mite 20 QSO  
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 9) [137630] Figuring out 'mechanical filter'  
by Bob Liesenfeld <wb0poq@visi.com>
- 10) [137631] RE: Notch Filter chips from National  
by David Hinerman <WD8CIV@worldnet.att.net>
- 11) [137632] voice recognition?  
by <n2go@arrl.net>
- 12) [137633] Re: Sale: DSW-30  
by "James R. Duffey" <jamesd1@flash.net>
- 13) [137634] Rock-Mite-20 mod  
by "Terres Family" <terresfm@ncia.net>
- 14) [137635] Re: Sale: DSW-30  
by "Jay Bromley" <w5jay@alltel.net>
- 15) [137636] Yippie! SST arrived...  
by "john\_k7fd" <john\_k7fd@cablespeed.com>
- 16) [137637] Re: End-Fed Tuner for 40 & 15M??  
by "Delbert Long" <ad6we@hotmail.com>
- 17) [137638] Trade?  
by "nr5a" <nr5a@hills.net>
- 18) [137639] Re: Change .....  
by "D LaClair" <nr2v@northnet.org>
- 19) [137640] Re: OT:

- by Jeff Furman <jfurman@ocs.net>
- 20) [137641] Re: Yippie! SST arrived...  
by "Michael G. Heitmann" <n0so@charter.net>
- 21) [137642] RE: OT: Logo help  
by Tim and Michele Groat <tmgroat@peakpeak.com>
- 22) [137643] Erractica for NorCal Nor'Easter  
by Steven Weber <kd1jv@moose.ncia.net>
- 23) [137644] Re: End-Fed Tuner for 40  
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 24) [137645] Rock Mite 20 Metre QSO  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 25) [137646] Re: Interesting TV show- "Rough Science"  
by Dan Puckett <wd8aau@woh.rr.com>
- 26) [137647] Re: Rock Mite 20 Metre QSO  
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 27) [137648] Re: Outboard audio filter  
by "James R. Duffey" <jamesd1@flash.net>
- 28) [137649] Re: Rock Mite 20 Metre QSO  
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 29) [137650] Want to Buy--OHR Classic rig  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 30) [137651] WTB = 40 Metre OHR Explorer II  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 31) [137652] Re: End-Fed Tuner for 40 & 15M??  
by Ingo Meyer DK3RED <dk3red@gmx.net>
- 32) [137653] RE: Age/Years a Ham  
by Brad Bradfield <b\_bradfield@yahoo.com>
- 33) [137654] Wanted: Drake 2-NT Novice TX  
by "Alan Fryer" <N3BJ@hotmail.com>
- 34) [137655] Re: Change .....  
by Bruce Muscolino <w6toy@erols.com>
- 35) [137656] Re: End-Fed Tuner for 40 & 15M??  
by John R Kirby <n3aaz-qrp@juno.com>
- 36) [137657] Nor'Easter . . . 10 KHz low  
by John R Kirby <n3aaz-qrp@juno.com>
- 37) [137658] Re: Change .....  
by "Karl F. Larsen" <k5di@zianet.com>
- 38) [137659] Charging Ni MH Batteries  
by "Karl F. Larsen" <k5di@zianet.com>
- 39) [137660] This is my 5th try ATTN \*PIG LIST\*  
by IamSF5@aol.com
- 40) [137661] Re: Outboard audio filter  
by "Lee Mairs" <lmairs@cox.net>
- 41) [137662] OT: Nice VTVM on ePay  
by "Michael Melland" <w9wis@charter.net>
- 42) [137663] W3QNQ Info?  
by Jimmy Lee <jrlaudio@bellsouth.net>
- 43) [137664] Re: Solder

- by "Brad Hernlem" <alihernlem@hotmail.com>
- 44) [137665] K8RA iambic paddle  
by "Joe W2KJ" <w2kj@earthlink.net>
- 45) [137666] Power meter / SWR bridge FS  
by "Ken Simpson, W8EK" <W8EK@fdt.net>
- 46) [137667] Re: WTB = 40 Metre OHR Explorer II  
by Ed Lawson <elawson@lawson-philpot.com>
- 47) [137668] WTB = 20 Metre OHR Explorer II  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 48) [137669] FOUND--40 Metre Explorer II  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 49) [137670] Four State QRP Group Wednesday Warble  
by "David Bixler" <qrp@netins.net>
- 50) [137671] Dan Tayloe and Dave Fifield Pacificon Speakers  
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 51) [137672] DC Rx module  
by "Leon Heller" <leon\_heller@hotmail.com>
- 52) [137673] Re: W3QNQ Info?  
by Bruce Muscolino <w6toy@erols.com>
- 53) [137674] Re: W3QNQ Info?  
by "Lee Mairs" <lmairs@cox.net>
- 54) [137675] Re: Dan Tayloe and Dave Fifield Pacificon Speakers  
by Ed Lawson <elawson@lawson-philpot.com>
- 55) [137676] New Elecraft K2 and Option Manuals Index  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 56) [137677] Disciplining list members  
by Bruce Muscolino <w6toy@erols.com>
- 57) [137678] Re: K8RA iambic paddle  
by <igeq100@iupui.edu>
- 58) [137679] Re: Disciplining list members  
by W2AGN <w2agn@w2agn.net>
- 59) [137680] Re: Disciplining list members  
by <n2go@arrl.net>
- 60) [137681] Results of age/ham thread  
by Rob Matherly <w0jrm@arrl.net>
- 61) [137682] Re: Results of age/ham thread  
by W2AGN <w2agn@w2agn.net>
- 62) [137683] Bypass  
by "Richard Johnson" <richard\_johnson@credence.com>
- 63) [137684] Re: Results of age/ham thread  
by "Richard Brummer, K2JQ" <k2jq@rcn.com>
- 64) [137685] RE: Results of age/ham thread  
by Mark Schoonover <schoon@amgt.com>
- 65) [137686] Re: Results of age/ham thread  
by Lloyd Lachow <llachow@yahoo.com>
- 66) [137687] OT: Solicitors/junk mail  
by "w8diz" <w8diz@fpqrp.com>
- 67) [137688] Re: Disciplining list members

by "Karl F. Larsen" <k5di@zianet.com>  
68) [137689] Re: Bypass  
by "Ray Goff" <radioham@gmx.co.uk>  
69) [137690] Re: Disciplining list members  
by W2AGN <w2agn@w2agn.net>  
70) [137691] RE: Bypass  
by "KD5NWA" <KD5NWA@mbayona.com>  
71) [137692] Re: Disciplining list members-inane comment alert  
by Dave Fouchey <dafouchey@comcast.net>  
72) [137693] Battery Charger progress  
by "Karl F. Larsen" <k5di@zianet.com>  
73) [137694] RE: Disciplining list members-inane comment alert  
by Mark Schoonover <schoon@amgt.com>  
74) [137695] Re: Disciplining list members  
by Bill WALTER <wa8jpr@comcast.net>  
75) [137696] [Q] Pacificon proceedings?  
by Ken Hopper Amateur Radio N-9-V-V <n9vv@wideopenwest.com>  
76) [137697] Re: Results of age/ham thread  
by Rob Matherly <w0jrm@arrl.net>  
77) [137698] Re: Disciplining list members  
by J.Bennett@lboro.ac.uk  
78) [137699] Re: Results of age/ham thread  
by J.Bennett@lboro.ac.uk  
79) [137700] Re: Disciplining list members  
by "Jess Gypin" <jessmx5@earthlink.net>  
80) [137701] Re: Disciplining list members  
by Jimmy Lee <jrllaudio@bellsouth.net>  
81) [137702] Re: Disciplining list members  
by Jimmy Lee <jrllaudio@bellsouth.net>  
82) [137703] Serial CW Sender Kit - new, improved & shipping!  
by "George Heron N2APB" <n2apb@erols.com>  
83) [137704] Re: Results of age/ham thread  
by Rob Matherly <w0jrm@arrl.net>  
84) [137705] DC Rx module with DSP  
by "Leon Heller" <leon\_heller@hotmail.com>

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Date: Tue, 8 Oct 2002 18:05:47 -0500  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-l@lehigh.edu>  
Subject: [137622] Sale: DSW-30  
Message-ID: <003501c26f1f\$3ef66680\$5f9b66a6@Alltel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,

I wonder if anyone would be interested in a DSW-30 for \$135 in between the age messages? I didn't build this one and can't remember how I obtained it. But it seems to work and looks real nice.

I will ship priority mail for the above price.

Thank you and 73 de jay/w5jay..

-----  
Date: Tue, 8 Oct 2002 18:11:48 -0400  
From: Rob Matherly <w0jrm@arrl.net>  
To: kc2ck@mail.com,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [137623] Re: Age/Years a Ham  
Message-ID: <200210082313.g98NCxQJ015914@mail.iowasocean.com>  
Content-Type: text/plain;  
charset="iso-8859-15"  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

On Tuesday 08 October 2002 06:18 pm, Don Ginter wrote:

@ 59/39

D'OH! Right after I \*think\* I'm all done :^D If any of you want in on the demographics folks, send 'em now! I'll give you all until 0200z to get them here :^)

--

72/73/oo  
Rob, w0jrm

Using Mandrake Linux 8.2 99.97832% of the time

Visit my website!  
=====  
<http://www.qsl.net/w0jrm>  
=====

-----  
Date: Tue, 8 Oct 2002 18:17:57 -0500  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>

Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>,  
"Bruce Rattray " <rattray@gpfn.sk.ca>,  
Subject: [137624] Winter FOX Coming Soon  
Message-ID: <4120021028231757539@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Soon it will be here -- the Winter FOX Hunt season on 40 Metres. It will kick off on Thursday evening, October 31, 2002. It will run for a total of 20 Thursdays, with dual FOXes each evening. We will take a bye week off during Christmas week.

Second Call for FOXes. A good number have written already, but there is still room for a small handful to apply to become active FOXes during the coming season. The finalists will be announced soon, hopefully within 4-5 days. Others have already volunteered to be Alternates, so that is coming along as well.

ANYWAY.....if \*you\* would like to serve, please complete the brief form below and get it me right away. Need to finish the roster ASAP for the various web pages. Thanks in advance.

Cub FOX.....am not planning a Cub FOX Season this time. This will be a good year to focus on the regular FOX hunt, and it promises to be fantastic.

Thanks to everyone who has written with suggestions and questions. ASAP there will be a FOX Web page up and running. It will contain all the details, rules, skeds and FOX and hound results. Watch this space....

73,

--Doc/K0EVZ for the FOX Committee  
Bruce VE5RC  
Marshall N1FN  
Tom N1TP  
Chuck K7Q0

----- SNIP -----  
Call\_\_\_\_\_ Name/Handle \_\_\_\_\_  
Daytime Telephone # ( ) \_\_\_\_\_  
Evening Telephone # ( ) \_\_\_\_\_  
Your time zone \_\_\_\_\_  
Your E-Mail address \_\_\_\_\_  
Your regular mail address \_\_\_\_\_  
-----

Describe your previous FOX Hunt experience:

-----  
-----  
-----  
Describe your proposed FOX setup:  
-----  
-----

What "blackout dates" do you have (when you absolutely cannot serve)?  
-----  
-----

----- SNIP -----

-----  
Date: Tue, 8 Oct 2002 18:39:06 -0500  
From: "Saad Mahaini" <n5ff@attbi.com>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [137625] FS Heath power supply  
Message-ID: <001401c26f23\$e4c80f10\$1302a8c0@N5FF1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hello, I have the HW9 matching power supply for sale or trade. Like new condition. 73s Saad N5FF

-----  
Date: Tue, 08 Oct 2002 16:52:55 -0700  
From: "laura halliday" <marsgal42@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [137626] RE: Notch Filter chips from National  
Message-ID: <F117Mp9bhSiUcFTrveD00012d99@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

While LMF90 is discontinued, other National parts are in full production. All the makers of mixed-signal ICs (e.g. Maxim, Linear Technology) have similar parts.

The actual production lifetime of an "interesting"

part rarely exceeds two years. Like many things, this is how the industry works, and we must deal with it. No point in whining about it, because there is nothing we can do about it.

Laura Halliday VE7LDH        "Que les nuages soient notre  
Grid: CN89lg                    pied a terre..."  
ICBM: 49 16.57 N 123 0.24 W       - Hospital/Shafte

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----  
Date: Tue, 08 Oct 2002 18:53:05 -0500  
From: Dave Hottell <hottell@gulftel.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [137627] Re: OT: Twin lamp SWR detector in '57 Handbook  
Message-ID: <3.0.6.32.20021008185305.008eaad0@pop.gulftel.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

Thanks to all who responded to my query. A great big, enormous, THANKS to George, W5YR, who, yet again, provided "The Answer"!!

If you got questions, don't waste your time at Radio Shack, come to QRP-L!!  
So long as George is around, your questions will get answered.

73 to all,  
Dave  
AB9CA

At 12:28 AM 10/6/02 -0500, Dave Hottell wrote:

>Gang,

>

>While this is radio related, it is probably not QRP related because I think  
>it will take more than QRP power to make the gadget I describe here work.

>

>The other night at our club meeting an older ham brought in a Twin-lamp SWR  
>indicator. He could not explain how it worked and I am curious. In  
>researching it I came across a note on a newsgroup that mentioned that this  
>device appeared in the 1957 ARRL Handbook. Does anyone have a copy of that



>article they could copy and send me? Willing to pay reasonable costs for it.  
>

>For those who have never seen this device it consisted of a short piece of  
>300 ohm twin lead. This piece of twin lead was taped to the 300 ohm  
>transmission line that ran from the xmit to the antenna and lay flat against  
>it. The short piece of 300 ohm twin lead with the twin lamps was shorted  
>at both ends and the two lamps were located at the center (lengthwise) of  
>one conductor. The lamps were in series with this conductor, i.e. the lamp  
>filament became a part of this loop. In between the two lamps the  
>conductor was shorted to one lead of the transmission line.

>  
>What you ended up with was a one turn loop with two lamp filaments as part  
>of the loop, and the midpoint of one side of that loop was shorted to one  
>conductor of the transmission line.

>  
>Poor ASCII drawing:

>  
>-----  
> |-----|  
> |  
> |-----L- -L-----|  
>-----|-----  
>

>The two L's represent the lamps. The upper and lower lines are the two  
>conductors of the transmission line. The short doesn't quite make contact  
>here <g>. Hope you get the idea.

>  
>I am curious how this gizmo works. What I have been told is that one lamp  
>will lite due to forward power and the other will light due to reflected  
>power, and as you tune and eliminate SWR the reflected power lamp will  
>extinguish. Doesn't sound possible to me since the two lamps are in  
>series. Maybe the length of the loop is critical?  $1/4 \lambda$ ?

>  
>Please reply privately since most will probably not be interested in this.

>  
>73,  
>Dave  
>AB9CA  
>  
>

-----  
Date: Tue, 8 Oct 2002 20:05:30 -0400  
From: "John Huffman" <hjohnc@core.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [137628] Spartan Sprint Log Deadline  
Message-ID: <00ab01c26f27\$fc7f3d00\$91c859cf@jhuffman1t>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Just a reminder, get those logs in by Noon tomorrow for inclusion in the October Spartan Sprint Results. Results will be posted here Thursday.

73 de K8HJ,  
John  
Contest Manager  
Adventure Radio Society

p.s. - Noon wherever you are...

-----  
Date: Tue, 08 Oct 2002 16:14:11 -0800  
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>  
To: qrp-l@lehigh.edu  
Subject: [137629] Rock-Mite 20 QSO  
Message-ID: <5.1.1.6.0.20021008160533.00b184a0@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

OK. After doing the windows (not Microsoft :-)) I came up to the shack. Didn't have the vee-beam hooked up to anything, so took out the TenTec Antenna Coupler and the MFJ-249 analyzer and tuned up for 20 meters.

Hooked up the Rock-Mite with V2L paddle and 2.0Ahr gel-cell. No feedback to proceed to call CQ on a clear frequency. Only one 3x3 call and I got answer from station in MT. And you guys said that Montana was rare!! :-)) His 599 my 559. His FT-817 at 5W and my R-M 20 at 150mW.

So I'm going to sit at the desk until I drop from hunger pains. :-)) Band seems to be in good shape as at 0000UTC I can east coast on 20 meters.

Nice little rig and I love the keying myself.

Receiver is hot and if a strong station comes on or digital station then be prepared. I'm using some of those headphones for MP3 player that have the plastic across the back of the head instead of across the top. Something I guess we have to get used to. :-)) "Digital Backphone" on the side markings.

For the antenna guys. Vee-beam is 80 meters on a leg with angle about 75 degrees and pointed NE right now. Apex at 10 meters about 2 meters from rig and the ends are 2 meters above ground, so some slope on both legs.

FYI,

Chuck Adams, K7Q0

<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

-----  
Date: Tue, 08 Oct 2002 20:04:21 -0500  
From: Bob Liesenfeld <wb0poq@visi.com>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [137630] Figuring out 'mechanical filter'  
Message-ID: <3DA38095.E02B1C91@visi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi gang,

I have scanned a drawing of the inards of an unusual 455KHz IF "mechanical filter" (at least that is what the parts list says it is), out of an old Allied A2515 receiver. The can has 3 coils wound on the bobbin of a cup core, a cap and a thing that \*may\* be a ceramic filter.

I >think< I know how this thing works but would invite your comments. Post me off list and I will post you the scanned drawing.

Thanks!

Bob

wb0poq@visi.com

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Date: Tue, 08 Oct 2002 21:08:07 -0400  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-1@lehigh.edu  
Subject: [137631] RE: Notch Filter chips from National  
Message-ID: <5.1.1.6.1.20021008205015.00b1de58@postoffice.worldnet.att.net>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

>The actual production lifetime of an "interesting"  
>part rarely exceeds two years. Like many things, this  
>is how the industry works, and we must deal with it.  
>No point in whining about it, because there is nothing  
>we can do about it.

Laura,

How true that is! A few years ago Intel made a big deal of making an "embedded" version of the '486 processor. Among the usual features that Intel associates with an "embedded" processor (low power, on-chip peripherals, etc.) they made a big deal of the fact that the part would be available for a minimum of 5 years. Heck, I use a C compiler that's older than that.

A part is a little more likely to hang around if it's made by a company that's not so interested in being on the "bleeding edge" (i.e. not Intel) and that's geared more towards industrial applications rather than consumer products. So cellular phone parts, digital audio components, and processors for palmtop computers are going to grow and fade very quickly. I suspect the switched-cap filters are fading because inexpensive DSP is becoming available, even though National Semi is one of the more stable parts suppliers. I notice that it's still possible to get 741 op amps.

As hobbyists, it's a "good news - bad news" situation for us. The good news is we can get "trailing edge" parts with performance we could only dream of 5 years ago, at surplus prices. The bad news is 5 years from now we won't be able to get them any more.

Dave

-----  
"An optimist says the glass is half full. A pessimist says the glass is half empty. An engineer says you could have used a smaller glass."  
-----

Dave Hinerman  
WD8CIV@att.net

-----  
Date: Tue, 8 Oct 2002 21:23:20 -0400 (EDT)  
From: <n2go@arrl.net>  
To: <qrp-l@lehigh.edu>  
Subject: [137632] voice recognition?

Message-ID: <Pine.LNX.4.33.0210082120420.820-1000000@valhalla.v>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone used or is using voice recognitions software? For controlling your radio or email. (my delete finger is getting arthritis :))

I am thinking of getting Dragon Pro or Pro medical software and wonder if anyone has used it. Off list response is OK if not radio oriented enough.

73,

Jim n2go

-----  
Date: Tue, 08 Oct 2002 19:32:43 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <qrp-l@lehigh.edu>  
Subject: [137633] Re: Sale: DSW-30  
Message-ID: <B9C8E35B.1E631%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

JAY - If it hasn't been sold, I will buy it. - Duffey

--

James R. Duffey KK6MC/5  
Cedar Crest, NM DM65

-----  
Date: Tue, 8 Oct 2002 21:36:57 -0400  
From: "Terres Family" <terresfm@ncia.net>  
To: <qrp-l@lehigh.edu>  
Subject: [137634] Rock-Mite-20 mod  
Message-ID: <000001c26f34\$5cd79510\$a381f3ce@amdxp2100>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Did the Bill Jones KD7S mod  
([http://www.radioactivehams.com/~n0rc/rm/mods/Rock\\_Mite\\_on\\_steroids.txt](http://www.radioactivehams.com/~n0rc/rm/mods/Rock_Mite_on_steroids.txt))

but on a 20 instead of a 40. I measure about 0.6 watts with about 12

volts.  
Thanks Bill.

72  
jerry aa1of  
Franconia NH

-----  
Date: Tue, 8 Oct 2002 20:49:43 -0500  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-1@lehigh.edu>  
Subject: [137635] Re: Sale: DSW-30  
Message-ID: <006901c26f36\$24665ac0\$5f9b66a6@Alltel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thank you guys the rig is gone! I sure hope Dave gets the new Super DSWs out soon. Guys want them bad! :-)

73 de jay..

-----  
Date: Tue, 8 Oct 2002 18:55:37 -0700  
From: "john\_k7fd" <john\_k7fd@cablespeed.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [137636] Yippie! SST arrived...  
Message-ID: <000d01c26f36\$f6e16940\$3901a8c0@k7fd>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

After building Wilderness SST's for 20 and 30m, I'm adding a final SST for 40m. I just love these lil' high performers...

Color scheme will be 'plum wild'erness this go around, candy metalflake grape!!

John K7FD  
<http://k7fd.no-ip.com>

-----  
Date: Tue, 08 Oct 2002 19:10:01 -0700  
From: "Delbert Long" <ad6we@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [137637] Re: End-Fed Tuner for 40 & 15M??  
Message-ID: <F17HvdRo32KsG0J82wq000185a1@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I have used the tuner I found here with great success for 40 and 20 meters...I think it should be good for 15 with little or no modification. I would appreciate knowing how it works on 15 for you if you try it.

[http://www.qsl.net/w0ch/field\\_antenna/field\\_antenna.htm](http://www.qsl.net/w0ch/field_antenna/field_antenna.htm)

I didn't include the SWR indicator, but I have built it separately, and it works great.

Delbert Long, AD6WE

Everything should be made as simple as possible, but not simpler. - Albert Einstein

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----  
Date: Tue, 8 Oct 2002 20:11:15 -0600  
From: "nr5a" <nr5a@hills.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [137638] Trade?  
Message-ID: <009c01c26f39\$26d382d0\$6cbca8d0@jerry>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have a PW-1 antenna which is the older version of the MP-1 I believe. Anyway would like to trade it for some kind of 20m cw rig hopefully with a

keyer built in. I'm open for trades what ya got?

Jerry - NR5A

-----  
Date: Tue, 8 Oct 2002 22:21:00 -0400  
From: "D LaClair" <nr2v@northnet.org>  
To: "low power discussion" <qrp-l@lehigh.edu>, <w6toy@erols.com>  
Subject: [137639] Re: Change .....  
Message-ID: <005d01c26f3a\$834f6500\$0101a8c0@launchmodem.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You obviously don't use Nextel.  
Harder to propagate than bustin' a pileup on 80 with 100 mils and a SHORT  
random wire.

> The telephone exists in over 90 % of the homes in the world. It  
> requires nothing to use. It does not depend on manipulation of the  
> ether

-----  
Date: Tue, 8 Oct 2002 19:20:17 -0700 (PDT)  
From: Jeff Furman <jfurman@ocs.net>  
To: wa0goz@arrl.net, qrp-l@lehigh.edu  
Subject: [137640] Re: OT:  
Message-ID: <Pine.LNX.4.21.0210081835070.14138-100000@ocs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Henry,  
The symbol you describe is the Underwriter's Laboratories (UL) recognition  
mark. it is actually a reversed 'R' combined with a 'U'. There's an image  
here:

<http://www.ul.com/mark/>

Unfortunately, UL doesn't manufacture anything, they only test and  
certify that items they approve won't be hazardous in certain ways when  
they fail. Some other markings are necessary to identify this part.  
Normally, only components that are critical to safety need such approval.  
That might mean the MOV won't explode no matter how much energy it absorbs  
(maybe it just heats up but won't start a fire), would be an example, or  
an optoisolator insulation is good for a certain voltage, as another



example. I hope that helps with that particular symbol, but it still doesn't identify the manufacturer. The MOV's I've seen, seem to have part numbers that embody some specifications, such as clamp voltage and energy capability. These seem to be characteristic to particular manufacturers (GE, for example) and may furnish a clue. The identification strategy is recognizing the basic form. A Google search with just the part number might even work.

73, Jeff AD6MX

-----  
Date: Tue, 08 Oct 2002 21:32:38 -0500  
From: "Michael G. Heitmann" <n0so@charter.net>  
To: john\_k7fd@cablespeed.com,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [137641] Re: Yippie! SST arrived...  
Message-ID: <5.1.1.6.0.20021008212157.009e64b0@pop.charter.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:55 PM 10/8/02 -0700, john\_k7fd wrote:  
>After building Wilderness SST's for 20 and 30m, I'm adding a final SST for  
>40m. I just love these lil' high performers...  
>  
>Color scheme will be 'plum wild'erness this go around, candy metalflake  
>grape!!  
>  
>John K7FD  
><http://k7fd.no-ip.com>

John,

I agree! I had an SST-30, Put an SST-40 together last month and took it to Yellowstone for two weeks. It worked great and we had a blast!

Enjoy!

72/72 de Mike, N0SO

-----  
Date: Tue, 08 Oct 2002 20:41:03  
From: Tim and Michele Groat <tmgroat@peakpeak.com>  
To: qrp-l@lehigh.edu

Subject: [137642] RE: OT: Logo help  
Message-ID: <3.0.3.16.20021008204103.52075822@peakpeak.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

This appears to be the UL "recognized component" mark (mirror image "UR"). That does little to narrow down the manufacturer. It merely shows the part has been qualified to one of UL's safety standards, and is intended to be a component used to make larger products.

I suggest checking the web sites of likely manufacturers to see if you can identify the model number or some other markings. Matsushita (Panasonic), Harris Semiconductor, and Siemens are three of the most popular brands.

wa0goz@arrl.net:

> Does anyone know who the manufacturer of MOV's is who's logo looks like  
> the following:

>  
>  
>       --  
>       |\_ | |  
>       /  |\_|  
>

72/73,  
--Tim, KR0U

-----  
Date: Tue, 08 Oct 2002 23:18:11 -0400  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [137643] Erractica for NorCal Nor'Easter  
Message-ID: <3.0.6.32.20021008231811.007b02b0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

I placed an "Erratica" page on my web site for the Nor'Easter SWBC Rx. Here you will find the top and bottom parts placement layout diagram, which seems to be missing from the manual.

<http://www.qsl.net/kd1jv/noreastererratica.HTM>

or use the link from the home page if the above has the usual typo in it :-)

<http://www.qsl.net/kd1jv>

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Tue, 8 Oct 2002 22:18:36 -0500  
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>  
To: "QRP-L Distribute" <qrp-l@lehigh.edu>  
Subject: [137644] Re: End-Fed Tuner for 40  
Message-ID: <000301c26f42\$8efd8820\$5836a6d8@Main>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Steve,

I have some information on the following page that may give you some ideas:

<http://www.qsl.net/aa5tb/coupler.html>

73,  
Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/>

-----  
Date: Tue, 8 Oct 2002 22:34:40 -0500  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [137645] Rock Mite 20 Metre QSO  
Message-ID: <412002103933440367@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Just gotta rave more about the Rock Mite 20. Just had a 2-way QRPp QSO

with Fred AK7D in Portland, OR. He said this little rig at 400 mW was a solid 589 and peaking at an honest 599. He then reduced power on his K2 to 400 mW and was still 569-579. Wow. He said about 20 local hams are chomping at the bit, waiting to get their Rock Mites assembled and on the air.

The rig has a terrific receiver. One of the things I like best about it is that the operator can focus entirely on operating, and not on turning knobs, etc. It is a pleasure to use, but one does have to use the CW filter which is between one's ears [g].

Hope to run into many others using these little giants. GL one and all.

73,  
--Doc/K0EVZ

-----  
Date: Tue, 08 Oct 2002 23:36:38 -0400  
From: Dan Puckett <wd8aau@woh.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [137646] Re: Interesting TV show- "Rough Science"  
Message-ID: <3DA3A446.2F8F03A3@woh.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Doug Faunt N6TQS +1-510-655-8604 wrote:  
> You can check <http://www.pbs.org/weta/roughscience>  
> to check for your local air dates. The TX and RX one is scheduled for  
> 22 October on KQED.

Or maybe <http://www.pbs.org/weta/roughscience>

-----  
Date: Tue, 08 Oct 2002 19:54:12 -0800  
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>

To: dock0evz@earthlink.net,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [137647] Re: Rock Mite 20 Metre QSO  
Message-ID: <5.1.1.6.0.20021008195305.01a508d0@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:34 PM 10/8/2002 -0500, Doc K0EVZ wrote:

>Gang:  
>  
>Just gotta rave more about the Rock Mite 20. Just had a 2-way QRPP QSO  
>...snip snip...  
>Hope to run into many others using these little giants. GL one and all.  
>  
>73,  
>---Doc/K0EVZ

I heard Doc and he was 599 here in Prescott AZ. I went into the garage to do some paint removal on a SWL-40+ homebrew case for repainting for Pacificon and when I got back he was gone.

FYI

Chuck Adams, K7QO  
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

-----  
Date: Tue, 08 Oct 2002 21:57:57 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <hottell@gulftel.com>, qrp-1 <qrp-1@lehigh.edu>  
Subject: [137648] Re: Outboard audio filter  
Message-ID: <B9C90565.1E654%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Dave - Ingo is right, I collect and use audio filters. I have reveiws of a few on my website, but I have acquired more and not updated the web page. Alas, my web mistress has left for College. :^(+

If you have not already put in narrow IF filters, or if your rig does not have provisions for IF filters, then an audio filter is quite useful. If you

have the choice between putting money into IF filters, or audio filters, put the money into IF filters.

Having said that, in theory, if a series of stages is cascaded together, like in a receiver, then the frequency response of the chain is the frequency response of all the stages convoluted together. Thus, in principle, if all the stages are linear, then it doesn't matter what order the filters are placed, the frequency response will be the same. The stage with the narrowest frequency response will determine the frequency response of the whole chain.

However, the receiver is not linear. So the best filtering is done early in the chain. The most nonlinear element is the AGC, any strong signal in the AGC bandpass will decrease the receiver sensitivity if the AGC cannot be turned off. The mixers and amplifiers will respond to signals in their passband and second and third order IMD will be a problem if audio filtering is used instead of IF filtering.

Having said that, an audio filter is a good investment if you need selectivity that the receiver does not supply.

My Choices:

Analog

Datong FL-3 This is a 5 pole elliptic filter with sharp skirts. It can be used as a high pass/low pass filter, or a center frequency /bandpass filter. There is little or no ringing even at the narrowest settings. The automatic notch filter is as good as any DSP. I bought mine for \$35, they usually go for \$50 or so. A good value at this price. One of my favorite filters.

Datong FL-2 This is the FL-3 without the automatic notch filter. If you don't do SSB, this is perfectly acceptable. These sell for about the same price as the FL-3.

Heatkit HD 1418 I believe that this is the same filter as the FL-2, but more common. They sell for about \$35 at hamfests, and are a good value at that price.

MFJ CWF-2 The classic filter from the 70s. MFJ sold a ton of them. They are usually available at Hamfests for \$5 to \$10. They have a fixed center frequency of 700 Hz, which is a bit high for me, but the selectivity is good at 170, 110, and 80 Hz. Not too much ringing.

Auttek QF-1 and QF-1A These are very common. You should be able to get a QF-1 for \$10 or less, and a QF-1A for \$20 or less. They are serviceable filters, not the best in class, but good values if you can get them cheap. They tend to ring at narrow settings. The center frequency is adjustable.

SCAF

Bencher ZX-2 This filter has an adjustable center frequency with choices of 170, 110 , 80, and SSB bandwidths. A very nice filter, it is rare, but worth picking up if you can get one for \$40 or so.

Digital

Timewave DSP 59+ I love this filter. It can be used as a highpass/low pass combination, or as a center frequency/bandpass filter. Little ringing, and the noise reduction is effective, although not easily adjustable. The autonotch filter works good. These are a bit pricy at \$135 or so, but worth it. The DSP 59 is a similar filter, but without the RTTY regeneration. The 59 can be had for as little as \$75.

NIR 12 - This is a good filter, but it does not have separate high pass/low pass functions, only center frequency/bandpass functions. It is a bit of overkill for CW. The noise reduction provisions are very good, much superior to the Timewave. It is available at \$125 or so.

Timewave DSP-9 This is a good filter, but the filter shapes are fixed, not adjustable, and the center frequencies do not lie quite at my favorite listening peaks. It is available for \$50 or so, and is a good value at that price.

W9GR I, III These are good filters, but have limited adjustability for CW. The SSB filters are quite effective while allowing natural sounding voices. I paid \$35 for my homebrew W9GR-I and it is a solid value at that price.

Radio Shack DSP-40 This filter is widely available at \$20 or so. It has a nice audio amplifier and speaker and is a good value for that alone. It is a servicable DSP, but it has a fixed center frequency, 700 Hz, which renders the narrowest setting useless for me, as I like to listen to a 550 Hz tone or lower. It also imparts a rather raspy undertone to the CW note, but this is not noticeable, or objectionable, unless you compare it to a good filter. There are no noise reduction provisions, despite what it says on the front panel.

I hope that this helps. - Dr.,. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5  
Cedar Crest, NM DM65

-----  
Date: Tue, 8 Oct 2002 21:39:42 -0700  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: <dock0evz@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [137649] Re: Rock Mite 20 Metre QSO  
Message-ID: <009a01c26f4d\$e324cd40\$ea14f4d8@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

So Doc,

Did you get an RM 20??? Just curious...

73's Trev KG6CYN  
<http://home.earthlink.net/~kg6cyn>  
<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: Doc K0EVZ <dock0evz@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Tuesday, October 08, 2002 8:34 PM  
Subject: Rock Mite 20 Metre QSO

> Gang:  
>  
> Just gotta rave more about the Rock Mite 20. Just had a 2-way QRPp  
QSO  
> with Fred AK7D in Portland, OR. He said this little rig at 400 mW was  
a  
> solid 589 and peaking at an honest 599. He then reduced power on his  
K2 to  
> 400 mW and was still 569-579. Wow. He said about 20 local hams are  
> chomping at the bit, waiting to get their Rock Mites assembled and on  
the  
> air.  
>  
> The rig has a terrific receiver. One of the things I like best about  
it is  
> that the operator can focus entirely on operating, and not on turning  
> knobs, etc. It is a pleasure to use, but one does have to use the CW  
> filter which is between one's ears [g].  
>  
> Hope to run into many others using these little giants. GL one and  
all.  
>  
> 73,  
> --Doc/K0EVZ  
>  
>



>  
>  
>  
>  
>

-----  
Date: Tue, 8 Oct 2002 23:49:41 -0500  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [137650] Want to Buy--OHR Classic rig  
Message-ID: <412002103944941940@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Looking for a pristine OHR Classic rig. Anyone have one you would part with? Please let me know. Thanks.

73,  
--Doc/K0EVZ

All incoming and outgoing mail certified virus-free by Norton

-----  
Date: Tue, 8 Oct 2002 23:51:49 -0500  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [137651] WTB = 40 Metre OHR Explorer II  
Message-ID: <412002103945149173@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Looking for an OHR Explorer II for 40 Metres. If you have one you will part with, please let me know. Thanks.

73,  
--Doc/K0EVZ

All incoming and outgoing mail certified by Norton Anti-Virus Software

-----  
Date: Wed, 09 Oct 2002 09:14:35 +0200  
From: Ingo Meyer DK3RED <dk3red@gmx.net>  
To: qrp-1@lehigh.edu  
Subject: [137652] Re: End-Fed Tuner for 40 & 15M??  
Message-ID: <5.1.1.6.1.20021009090049.009e6a60@pop.gmx.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Steve,

>I'm looking for a simple tuner circuit to match an end-fed antenna -

<snip>

>Suggestions?

Is 70mm x 50mm x 25mm small enough? ;o)

Then try it with the Multiband Fuchs antenna. Theses multiband antenna was design by Frank Lamprecht, DL7AQT, and first published from the DL-QRP-AG in the German QRP magazine "QRP-Report" in 2002. The Fuchs Antenna got its name from the Austrian Radio Amateur Fuchs, who first decribed it in 1928. It was a monoband endfeed half wave dipole. The length of the antenna should be a Lambda/2 or a multiple of it. For 3.5 MHz you need about 41 meters.

But you can match a 41 meters wire with Frank's Fuchs development also on ALL (!!!) others bands between 10 and 80 meters or you can match a shorter wire with a length of 21 meters on 40, 20, 15 and 10 meters! You can download the manual from [http://www.werdau.net/qrpproject/fuchs\\_ant\\_.htm](http://www.werdau.net/qrpproject/fuchs_ant_.htm) or buy a kit from <http://www.qrpproject.de> .

I have built this little "rig". You can see 2 pictures on  
<http://home.t-online.de/home/dk3red/de/station.htm#ant3> .

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de    <http://www.t-online.de/~dk3red>  
DL-QRP-AG    #824    <http://www.dl-qrp-ag.de>  
QRP ARCI    #11295    <http://www.qrparci.org>

-----  
Date: Wed, 9 Oct 2002 02:07:02 -0700 (PDT)  
From: Brad Bradfield <b\_bradfield@yahoo.com>  
To: Message posts for QRP-L <qrp-l@lehigh.edu>  
Subject: [137653] RE: Age/Years a Ham  
Message-ID: <20021009090702.9386.qmail@web10002.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi dudes and dudettes - -

I'm 54 and have been licensed for 32 years, both give or take a couple months.

Oh, well.

HAFND!

Brad, W5CGH

-----  
Do you Yahoo!?  
Faith Hill - Exclusive Performances, Videos & More  
<http://faith.yahoo.com>

-----  
Date: Wed, 09 Oct 2002 09:30:13 +0000  
From: "Alan Fryer" <N3BJ@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [137654] Wanted: Drake 2-NT Novice TX  
Message-ID: <0E27jUHQHh2wLCVYl4m00000616@hotmail.com>

Wonder if anyone on the list has an old Drake 2-NT transmitter that is not being used ?

Problem rig OK, bout must be in good cosmetic condition and intact.

Alan, N3BJ  
Bent Mountain, VA

-----  
Date: Wed, 09 Oct 2002 06:49:31 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: "George, W5YR" <w5yr@att.net>, qrp-1@lehigh.edu  
Subject: [137655] Re: Change .....  
Message-ID: <3DA409BB.7120DCC0@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dear Yellowed Rose of Texas,

Thanks doe your note. Please tell me me thing, why did you post it to the entire list? If you were really interested in me, and wanted to help me instead of blowing your own horn, you would have sent it to me only!

-----  
Date: Wed, 9 Oct 2002 07:08:46 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: Steve.Lawrence@itwfeg.com, qrp-1@lehigh.edu  
Subject: [137656] Re: End-Fed Tuner for 40 & 15M??  
Message-ID: <20021009.071015.-322291.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

From: "Steve Lawrence" <Steve.Lawrence@itwfeg.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Date: Tue, 8 Oct 2002 15:11:30 -0400  
Subject: End-Fed Tuner for 40 & 15M??

I'm looking for a simple tuner circuit to match an end-fed antenna - perhaps a W3EDP style - to a radio. Ideal solution would be:

- 1.) small & light weight
- 2.) power up to 5 - 10 watts
- 3.) some sort of SWR indicator

Hello Steve. . .

The all band portable antenna 'stuff (below) is my (N3AAZ) work,  
it was published in the Nor-Cal QRPP newsletter  
THE >L< NETWORK REVISITED  
(a few issues back),  
OR  
for the simple schematic and figures  
e-mail me for a .gif attachment.

There is a picture of the >L< (the inductor) on the  
QRPP International Radio Club's Web site:  
<http://www.QRPP-I.com>

An old five tube radio can provide the 355uF variable >C<  
. . . OR . . . because the >L< has taps (it is variable)  
just \*parallel\* fixed >C< any variable capacitor.

WalMart 'cheep' radios offer even smaller variable caps.

A tuning indicator is required,  
the GQRP web site has an  
outstanding bridge type  
(again . . . simple AND it WORKS)  
plans to build from scratch.

>>>>>> START QRPP TEXT >>>>>>

THE >L< NETWORK REVISITED

What do these terms have in common?

QRP, backpacking, efficiency, zero-weight feedline, low pass filter,  
stealth, home brew, omni-directional, all band, tuner, and . . .

Answer . . . One inductor and one capacitor, the >L< Network

Figure 1 (e-mail me direct for an attachment "EXPORT -L- . gif") shows  
the no feedline, portable, long wire antenna system I used with  
outstanding success a few years ago while camping in a pop-up. This setup  
will match most 100 foot long wire antenna configurations from 80 through  
10 meters. Since the components are small, light, easy to pack and deploy  
this configuration also makes for an outstanding spare or emergency  
antenna.

The inductor is 21 turns of solid 18 AWG wound on a "stack" of three,  
Micrometals, RED (MIX 2), T94-2, powdered iron cores, with a "tap" placed

every three turns (Figure 3). The capacitor is a 200 pico Farad variable. The antenna wire is a small roll of inexpensive, insulated, zip cord. You will need "alligator" clips and a tuning indicator. The earth ground system is several strands of zip cord in parallel. The ground rod just a common screwdriver with a vice-grip for hammer and wire clamp.

Feedline is not required (see Figure 1) because the >L< network is connected direct between transceiver and base (the feed point) of the antenna. The feedpoint of the long wire antenna is located inside the shack (camper, tent or sleeping bag).

The tuning indicator can take many forms. It is noteworthy to say, if it takes too long to adjust ANY antenna tuner, the "final RF amplifier" in your transmitter may be at risk to over heating. I suggest, install a 10 dB attenuator (figure 4) between the transmitter and tuner to help protect the PA transistor during the initial adjustment. The "attenuator" technique is NOT a guarantee. The safest method is reduced transmitter power and short (intermittent) "key down" adjustments. The attenuator is removed for final adjustment and QSOs.

#### The >L< Network

For the purpose of this discussion the term long wire antenna refers to a non resonant wire element that is either, straight line, zigzag, horizontal, vertical, or any combination, but always longer than a half wave at it's operating frequency. A counterpoise is not required. An earth ground helps.

The approximate half wave length in feet can be determined by dividing 468 by the operating frequency in MHz. Example,  $\text{Length(ft)} = 468 / F(\text{MHz})$ , a half wave at 7.04 MHz is approximately 66.5 feet.

How does the >L< network match a low impedance transmitter to high impedance long wire? Connect the coil in series between the XCVR / ANT junction and connect the capacitor from the COIL / ANT junction to the XCVR chassis and earth ground, see figure 1.

The >L< network will also match most random, non resonant, "short", low impedance antenna. The short antenna refers to a wire or rod (whip), straight line, zigzag, vertical, horizontal or any combination but always less than a quarter wave at it's operating frequency. The short antenna is a compromise, efficiency can be poor and a counterpoise is required for best results. When matching a highZ (50 Ohm, transmitter) to lowZ (15 Ohm, short vertical) the inductor is connected in series between source and load. The capacitor is "shunt" or parallel to the source, see figure 2. Note, this connection is unlike the "long" example above.

Today our camper is a fifth-wheel with an eight-foot aluminum ladder

rack. I just add a Radio Shack # 21-937B Rack Mount Bracket to create a very nice whip antenna support AND ladder rack counterpoise antenna system. The base of my antenna is now atop that ladder rack so a feedline is required. NOTE . . . Feedline may assert a length problem and affect the impedance the transmitter looks into when there is a reactive component on the other end. Why? In this case, the load (on the feedline) is a non-resonant length of wire, i.e., a reactive component. Therefore, the transmitter in Figure 2 will only see 50 Ohms when there is a half wave, 50 Ohm feedline connected. Why? A half wave feedline "repeats" at it's INPUT what it "sees" at it's OUTPUT and the >L< network for the "short" antenna was designed to match 50 Ohm.

Conclusions . . .

Exclude . . . the feedline and it is noteworthy to say, the >L< network shown in figures 1 and 2 match the Smith Chart ' yin / yang ' curves, i.e., there is most likely no point on the chart one or the other network configuration will not match to 50 Ohm.

Include. . . a feedline of random length and the >L< network may not tune all the bands, however, the operative word is "random" length feed line. Change the feed line length a foot or two and try again.

Ah 'little Theory and Math examples. . .

The impedance presented by the end of a random wire can range over a very large playing field, from only a few Ohms to several thousand Ohms. This calculation shows just one example, how to match a 50 Ohm source to a 377 Ohm load using the >L< network.

First find K

$K = \text{Square root of } ((\text{HighZ} / \text{LowZ}) - 1)$

$K = ( ( 377 / 50 ) - 1 ) ^ { 0.5 }$

$K = 2.56$

Next find X(L), reactance of the matching coil

$X(L) = K \text{ times LowZ}$

$X(L) = 2.56 \times 50$

$X(L) = 128 \text{ Ohm}$

Next find the matching coil value

If  $X(L) = 2 \text{ Pi } F L$

then  $L = X(L) / 2 \text{ Pi } F$

$L = 128 / (6.28 \times 7.04\text{E}6) \gg 7.040 \text{ MHz} \ll$

$L = 2.89\text{E}-6 \text{ or } (2.89 \text{ uH})$

The series inductor should be approximately 3 micro Henry

Next find  $X(C)$ , reactance of the matching capacitor

$$X(C) = \text{HighZ} / K$$

$$X(C) = 377 / 2.56$$

$$X(C) = 147.26 \text{ Ohm}$$

Next find the matching capacitor value

$$\text{if } X(C) = 1 / (2 \text{ Pi } F C)$$

$$\text{then } C = 1 / (2 \text{ Pi } F X(C))$$

$$C = 1 / (6.28 \times 7.04\text{E}6 \times 147)$$

$$C = 1.5\text{E} -10$$

( $1.5\text{E} -10$ ) is 0.15 nano Farad or 0.00015 micro F or 150 pico F

For a lower SWR : > ) make C a variable capacitor and (if required) parallel fixed value capacitors to extend the range or series fixed values to decrease the range (total value).

Thank You . . .

This article is the result of my response to a thread on qrp-l. Ade, W0RSP wrote in part . . . "If you really are worried about the weight of a feedline, why use one at all? Instead put up an end fed antenna coupled to a tuner". Doug, KI6DS, read my solution to the feedline weight problem and ask to publish my humble input. This is indeed an honor, thank you Doug, for the invitation and privilege to publish in QRPp. Special thanks go to Bill, KD7S and L.B., W4RNL, for their patient guidance and knowledgeable assistance.

I welcome all comment, >>n3aaz-qrp@juno.com<<

John, N3AAZ

<<< END TEXT <<<

enjoy . . .

73,

John  
N3AAZ  
FM 19 xa

---

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-----  
Date: Wed, 9 Oct 2002 07:09:31 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: kd1jv@moose.ncia.net, qrp-1@lehigh.edu  
Subject: [137657] Nor'Easter . . . 10 KHz low  
Message-ID: <20021009.071015.-322291.1.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi Steve,

I have not soldered my processor in yet.

Will you program a new chip for this fix?

John  
N3AAZ  
FM 19 xa

-----  
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<http://dl.www.juno.com/get/web/>.

-----  
Date: Wed, 9 Oct 2002 05:35:58 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Bruce Muscolino <w6toy@erols.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [137658] Re: Change .....  
Message-ID: <Pine.LNX.4.44.0210090533540.2266-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I will ask the same thing Bruce. Why did you send THIS message to the list? If your going to fight with a Texan, do it in private please. If you need the URL I have it.

On Wed, 9 Oct 2002, Bruce Muscolino wrote:

> Dear Yellowed Rose of Texas,

>  
> Thanks doe your note. Please tell me me thing, why did you post it to  
> the entire list? If you were really interested in me, and wanted to  
> help me instead of blowing your own horn, you would have sent it to me  
> only!  
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Wed, 9 Oct 2002 06:29:31 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-1@lehigh.edu  
Subject: [137659] Charging Ni MH Batteries  
Message-ID: <Pine.LNX.4.44.0210090618570.2266-1000000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

This morning I got a note from Dan.Tayloe@motorola.com saying that constant current is not the right way to charge these batteries, and suggested I look at what National has.

I went to Google (my default web page) and entered National Semiconductors and got the National web page. Searched around and found a Lithium Ion charger and found that it is also recommended for Ni MH too.

The chip is the LM 3647 which is a 20 pin chip you get a SM device or, maybe other; Haven't read the 3 .pdf files I downloaded yet. If you want this data just go to National and enter search LM 3647.

This chip will handle any battery we will use up to 16 volts I think and has a timer circuit of some sort.

Now I will print out the data sheets and do a design. I DO love this part. Oh, by the way this chip is in full production today.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----

Date: Wed, 9 Oct 2002 09:05:53 EDT  
From: IamSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [137660] This is my 5th try   ATTN \*PIG LIST\*  
Message-ID: <35.2e23adda.2ad583b1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Gang,  
I think I have contacted 5 members via direct mail/  
I receive the list on Yahoo and when I post from there I don't see my post  
but i'm not getting any bounces.  
Anyway after reading this.....1. I will do 1 or 2  
QSL's no problem, but if I get a  
butt load of cards and  
no log for the QSO's I will hunt you down and fart in  
your face! <----WHEW!!!! I think maybe I should leave:-).  
My low numbered PIG #353 should be worth a Red Hot 40?  
Well, if any FP members are reading this,  
I'm trying to buy a mug, patch and so far no one has contacted me.  
Maybe your all busy eating beans to build up the gas but a response would be  
very much appreciated  
Bob  
AF2Q  
Professional Skydiver, unpaid gravity tester, & part time submarine window  
washer

-----  
Date: Wed, 9 Oct 2002 09:52:16 -0400  
From: "Lee Mairs" <lmairs@cox.net>  
To: <jamesd1@flash.net>,  
      "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [137661] Re: Outboard audio filter  
Message-ID: <003801c26f9b\$179797e0\$3b6d020a@boomer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have both the Nir and the Datong filters, but for the money I find the  
W3NQN five stage passive filter is the easiest to use and has better  
results - at least on my ear YMMV. Best of all W3NQN sells the kits for  
about \$25 if I remember correctly.  
73 de Lee  
KM4YY

----- Original Message -----

From: "James R. Duffey" <jamesd1@flash.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, October 08, 2002 11:57 PM

Subject: Re: Outboard audio filter

> Dave - Ingo is right, I collect and use audio filters. I have reveiws of a  
> few on my website, but I have acquired more and not updated the web page.  
> Alas, my web mistress has left for College. :^(+

>

> If you have not already put in narrow IF filters, or if your rig does not  
> have provisions for IF filters, then an audio filter is quite useful. If  
you

> have the choice between putting money into IF fitlers, or audio filters,  
put

> the money into IF filters.

>

> Having said that, in theory, if a series of stages is cascaded together,  
> like in a receiver, then the frequency response of the chain is the  
> frequency response of all the stages convoluted together. Thus, in  
> principle, if all the stages are linear, then it doesn't matter what order  
> the filters are placed, the frequency resposne will be the same. The stage  
> with the narrowest frequency response will determine the frequency  
response

> of the whole chain.

>

> However, the receiver is not linear. So the best filtering is done early  
in

> the chain. The most nonlinear element is the AGC, any strong signal in the  
> AGC bandpass will decrease the receiver sensitivity if the AGC cannot be  
> turned off. The mixers and amplifiers will respond to signals in their  
> passband and second and third order IMD will be a problem if audio  
> filtering is used instead of IF filtering.

>

> Having said that, an audio filter is a good investment if you need  
> selectivity that the reciever does not supply.

>

> My Choices:

>

> Analog

> Datong FL-3 This is a 5 pole elliptic filter with sharp skirts. It can be  
> used as a high pass/low pass filter, or a center frequency /bandpass  
filter.

> There is little or no ringing even at the harrowest settings. The  
automatic

> notch filter is as good as any DSP. I bought mine for \$35, they usually go  
> for \$50 or so. A good value at this price. One of my favorite filters.  
>  
> Datong FL-2 This is the FL-3 without the automatic notch filter. If you  
> don't do SSB, this is perfectly acceptable. These sell for about the same  
> price as the FL-3.  
>  
> Heatkit HD 1418 I believe that this is the same filter as the FL-2, but  
> more common. They sell for about \$35 at hamfests, and are a good value at  
> that price.  
>  
> MFJ CWF-2 The classic filter from the 70s. MFJ sold a ton of them. They  
are  
> usually available at Hamfests for \$5 to \$10. They have a fixed center  
> frequency of 700 Hz, which is a bit high for me, but the selectivity is  
good  
> at 170, 110, and 80 Hz. Not too much ringing.  
>  
> Autek QF-1 and QF-1 A These are very common. You should be able to get a  
> QF-1 for \$10 or less, and a QF-1A for \$20 or less. They are servicable  
> filters, not the best in class, but good values if you can get them cheap.  
> They tend to ring at narrow settings. The center frequency is adjustable.  
>  
> SCAF  
> Bencher ZX-2 This filter has an adjustable center frequency with choices  
of  
> 170, 110 , 80, and SSB bandwidths. A very nice filter, it is rare, but  
worth  
> picking up if you can get one for \$40 or so.  
>  
> Digital  
> Timewave DSP 59+ I love this filter. It can be used as a highpass/low pass  
> combination, or as a center frequency/bandpass filter. Little ringing,  
and  
> the noise reduction is effective, although not easily adjustable. The  
> autonotch filter works good. These are a bit pricy at \$135 or so, but  
worth  
> it. The DSP 59 is a similar filter, but without the RTTY regeneration. The  
> 59 can be had for as little as \$75.  
>  
> NIR 12 - This is a good filter, but it does not have separate high  
pass/low  
> pass functions, only center frequency/bandpass functions. It is a bit of  
> overkill for CW. The noise reduction provisions are very good, much  
superior  
> to the Timewave. It is available at \$125 or so.  
>  
> Timewave DSP-9 This is a good filter, but the filter shapes are fixed, not

> adjustable, and the center frequencies do no lie quite at my favorite  
> listening peaks. It is available for \$50 or so, and is a good value at  
that  
> price.  
>  
> W9GR I, III These are good filters, but have limited adjustability for  
CW.  
> The SSB filters are quite effective while allowing natural sounding  
voices.  
> I paid \$35 for my homebrew W9GR-I and it is a solid value at that price.  
>  
> Radio Shack DSP-40 This filter is widely available at \$20 or so. It has a  
> nice audio amplifier and speaker and is a good value for that alone. It is  
a  
> servicable DSP, but it has a fixed center frequency, 700 Hz, which renders  
> the narrowest setting useless for me, as I like to listen to a 550 Hz tone  
> or lower. It also imparts a rather raspy undertone to the CW note, but  
this  
> is not noticeable, or objectionable, unless you compare it to a good  
filter.  
> There are no noise reduction provisions, despite what it says on the front  
> panel.  
>  
> I hope that this helps. - Dr,. Megacycle KK6MC/5  
> --  
> James R. Duffey KK6MC/5  
> Cedar Crest, NM DM65  
>  
>

-----  
Date: Wed, 09 Oct 2002 10:42:18 -0400  
From: "Michael Melland" <w9wis@charter.net>  
To: qrp-l@lehigh.edu, njqrp@njqrp.org  
Subject: [137662] OT: Nice VTVM on ePay  
Message-ID: <web-1273280@dc-mxdb03.cluster1.charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"; format="flowed"  
Content-Transfer-Encoding: 8bit

The only reason I even mention this is because I used to  
own one and found it to be a very nice meter and I hate to  
see a piece of useful mil gear go unused....

On eBay with about 13 hours to go there is what actually

is a Military ME-26 D/U VTVM for sale (\$25 but it now - item #1386907269). The meter is reportedly "new". This meter is big, ugly and built like a tank.... however it is very useful. Different contractors made these for the military (USAF) and if I remember right they are essentially a HP-410B in military packaging.

I think that even in a solid state age a nice VTVM has many uses.... the RF/AC probe on these reads to 700 MHz, again if I remember right. They aren't a 6 digit accuracy meter, no mirrored scales here as it's built to be tough. BTW another nice thing about a VTVM is that they won't load down a circuit. Take a look and do a Google search for more info on the ME-26 and consider this old warhorse IF you have the bench space and aren't completely turned off by it's spartan appearance.

I DO NOT have any financial interest in this auction. I just think it's a nice, useful meter at a fair price. I'd buy it but I have an as new General Radio 1806B and HP-410B VTVM's already. I'm constantly searching the test equipment on eBay trying to compete with my wife's unused fabric collection <grin>.

73 de Mike, W9WIS

--

Michael Melland, W9WIS  
Winneconne, WI USA

-----

Date: Wed, 09 Oct 2002 11:00:12 -0400  
From: Jimmy Lee <jrlaudio@bellsouth.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [137663] W3QNQ Info?  
Message-ID: <3DA4447C.D389DB25@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Where can I find ordering information on the W3QNQ passive audio filter?

Jimmy, AE4DT

-----  
Date: Wed, 09 Oct 2002 14:56:17 +0000  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: richard\_johnson@credence.com  
Cc: qrp-1@lehigh.edu  
Subject: [137664] Re: Solder  
Message-ID: <F13vIPNTAbAWFsw13tT000000afd@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Richard Johnson (richard\_johnson@credence.com) asks:

>What do you use to remove the flux after the soldering is done and the  
>board needs a cleaning?

I use standard rosin flux solder and use 99% (or 97%?) Isopropanol (Isopropyl alcohol) and a brush for cleanup. Some of the drug stores carry this higher purity rubbing alcohol and it is cheaper than from the electronics shops but beware not to get the common 70% stuff (unless water is not a problem for you).

If I don't have any parts yet on the board (such as when cleaning up after I pre-tinned all the traces) I may use something more heavy duty like Methyl Ethyl Ketone (outside!!). I like to pre-tin boards by smearing them over with paste flux and then dragging a hot, slightly solder tinned iron over the traces. I usually do that prior to drilling.

Brad

Brad

-----  
Join the world's largest e-mail service with MSN Hotmail.  
<http://www.hotmail.com>

-----  
Date: Wed, 9 Oct 2002 10:58:02 -0400  
From: "Joe W2KJ" <w2kj@earthlink.net>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [137665] K8RA iambic paddle  
Message-ID: <000701c26fa4\$457f8560\$3ee9bd3f@cdcvh01>  
MIME-Version: 1.0



Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy gang:

A while back there was mention of a new paddle on the market made by K8RA <http://hometown.aol.com/k8ra/>

I checked out the website and it looks like a nice paddle.

If there are there any current QRP-L users of this paddle I would sure appreciate your comments regarding feel, "settability" of very close-spaced adjustments, overall stability, etc, etc.

Want a new paddle to play with....BUT.....still looking for a nice WBL V22 or WBL V2L iambic paddle...will pay accordingly.

73, Joe W2KJ

-----  
Date: Wed, 9 Oct 2002 11:47:42 -0400  
From: "Ken Simpson, W8EK" <W8EK@fdt.net>  
To: "QRP List" <qrp-l@lehigh.edu>  
Subject: [137666] Power meter / SWR bridge FS  
Message-ID: <028e01c26fab\$35c52b00\$16cad143@toshiba>

For Sale:

Micronta 21-522 Power / Modulation / SWR tester

No question that this was originally made for the 11 meter crowd, but specs state that it is good for 3 to 30 MHz.

Being the wattmeter has a 5 W scale, it would seem to be good for QRP work as well.

It has 3 meters. The wattmeter has scales for 5, 50, and 500 watts. The center meter is probably not too useful for the ham as it reads modulation percent (AM) from 10% to 120 %. The meter on the right is a standard SWR meter. Each meter is about 2 inches wide and 1 1/4 inches high.

The unit has a remote pickup with SO-239 connectors on each

end, and about 2 feet of cable, back to the meter unit.

This particular unit looks very close to new. It includes the original instruction manual and original box.

\$25 plus shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson  
E-mail to W8EK@fdt.net or W8EK@arrl.net  
Voice Phone (352) 732-8400

-----  
Date: Wed, 9 Oct 2002 12:12:57 -0400  
From: Ed Lawson <elawson@lawson-philpot.com>  
To: dock0evz@earthlink.net  
Cc: qrp-1@lehigh.edu  
Subject: [137667] Re: WTB = 40 Metre OHR Explorer II  
Message-ID: <20021009121257.6ad00639.elawson@lawson-philpot.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

On Tue, 8 Oct 2002 23:51:49 -0500  
"Doc K0EVZ" <dock0evz@earthlink.net> wrote:

> Gang:  
>  
> Looking for an OHR Explorer II for 40 Metres. If you have one you will  
> part with, please let me know. Thanks.  
>

Don't know if people today know that much about the Explorer II and I don't know what leads Doc to want one...maybe he just wants to try everything....but I have two of them and they are really, really nice rigs. I am partial to radios with dials and variable caps. Still, they have a nice clean sound that seems to be a trait of OHR rigs and if you get a chance to buy/try one...its worth the

experience as they seem to go ffor around \$50 at hamfests when you can find them.  
Mine are staying where they are.

Ed Lawson  
K1VP

-----  
Date: Wed, 9 Oct 2002 11:16:46 -0500  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [137668] WTB = 20 Metre OHR Explorer II  
Message-ID: <4120021039161646748@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Looking for an OHR Explorer II for 20 Metres. If you have one you will  
part with, please let me know. Thanks.

73,  
--Doc/K0EVZ

All incoming and outgoing mail certified by Norton Anti-Virus Software

-----  
Date: Wed, 9 Oct 2002 11:22:51 -0500  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [137669] FOUND--40 Metre Explorer II  
Message-ID: <4120021039162251293@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Have obtained a 40 Metre OHR Explorer II. Now on a search for a good one for 20 Metres. Anyone have one you will part with? Thanks.

73,  
--Doc/K0EVZ

-----  
Date: Wed, 9 Oct 2002 11:33:24 -0500  
From: "David Bixler" <qrp@netins.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>  
Subject: [137670] Four State QRP Group Wednesday Warble  
Message-ID: <000101c26fb1\$9666a8c0\$e915b9cc@Host>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi gang:

The Four State QRP Group will have our weekly "Wednesday Warble" tonight at 9:00 PM central time. All QRP'ers are invited to drop in and chat for while. You're not required to use a Warbler, any PSK rig is OK. QRO rigs are OK too!

Look for us on or near 3580.5 KHz. Fall propagation on 80 meters has improved over the last couple of weeks and we've had folks from several states call in.

72, Dave

David Bixler           W0CH  
Seneca, Missouri

QRP: Little radios, Big Fun!

QRP Web Site:           <http://w0ch.com>  
Four State QRP Group: <http://w0ch.com/fsqrp>

-----  
Date: Wed, 9 Oct 2002 09:42:07 -0700  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-l@lehigh.edu>  
Subject: [137671] Dan Tayloe and Dave Fifield Pacificon Speakers  
Message-ID: <019201c26fb2\$d0de8120\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, boy do we have a treat in store for you. Dan Tayloe has designed the NorCal 30, which will be the next NorCal Kit, and is working with Dave Fifield to produce the kit. Dan did the design, Dave is doing the pcboard layout and packaging of the rig. Yesterday, Dan emailed me the specs for the rig. I was shocked when I saw them. If you thought the K2 had great receiver specs, wait until you see the specs on the NorCal 30!! When you compare the NC30 to the K2, the NC30 wins every time. Yes even in IP3. Dan and Dave will be speaking at Pacificon, in the QRP Forum. They will release the test figures at that time. It will be exciting, hope to see you there.

QRP Pacificon:  
When Oct. 18, 19, 20  
Where: Concord, California, Sheraton Hotel  
Why: To have FUN!!!!!!!!!!!!!!

72, Doug

-----  
Date: Wed, 9 Oct 2002 17:33:04 +0100  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: "Low Power" <qrp-l@lehigh.edu>  
Subject: [137672] DC Rx module  
Message-ID: <DAV38Qd5GQrWT25JcQn0000dec2@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've made some changes to the PCB for my little DC Rx module, based on KK7B's designs for the R1 et al. It's easier to build (only three links) and

it's exactly 2" square, a nice round number. 8-) Like all my stuff, the PCB is easy to make at home: all the tracks are on the bottom and there is a top ground plane.

It's intended as a component in a high-performance receiver, and was designed for maximum flexibility, in that it only includes the mixer (an MCL TUF-1), audio diplexer and low-noise AF pre-amplifier. Input filtering, oscillator, AF filter etc. are all external.

It may be used in many receiver configurations: as a simple DC receiver, binaural receiver, phasing receiver, etc. It's ideal for use with a DSP system.

Full details, including several pictures, are here:

[http://www.geocities.com/leon\\_heller/dc\\_rx.html](http://www.geocities.com/leon_heller/dc_rx.html)

73, Leon

--

Leon Heller, G1HSM  
leon\_heller@hotmail.com  
[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

-----

Date: Wed, 09 Oct 2002 13:19:14 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: jr1audio@bellsouth.net, qrp-1@lehigh.edu  
Subject: [137673] Re: W3QNQ Info?  
Message-ID: <3DA46512.CA4CFF42@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Any handbook in the year range from about 1970 through 1990. I don't think the call is QNQ though, it is NQN.

73

-----

Date: Wed, 9 Oct 2002 13:21:51 -0400  
From: "Lee Mairs" <lmairs@cox.net>  
To: <jr1audio@bellsouth.net>, "qrp1" <qrp-1@lehigh.edu>  
Subject: [137674] Re: W3QNQ Info?  
Message-ID: <00b901c26fb8\$5edf18e0\$3b6d020a@boomer>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For all those asking me for contact info on W3NQN, I spent about two hours looking thru boxes trying to find the info. (I'm still in the middle of a move to WBGV!) The information to get one of these inexpensive and excellent passive audio filter kits is as follows:

Ed Wetherhold, W3NQN  
1426 Catlyn Place  
Annapolis, MD 21401  
(410) 268-0916  
Fax (410) 268-4779

You just can't go wrong with this deal. I have no financial yah-de-yah-de-yah... Just trying to pass some good news before ham radio dies out as a hobby.

73 de Lee  
KM4YY

----- Original Message -----

From: "Jimmy Lee" <jrlaudio@bellsouth.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, October 09, 2002 11:00 AM  
Subject: W3QNNQ Info?

> Where can I find ordering information on the W3QNNQ passive audio filter?  
>  
> Jimmy, AE4DT  
>  
>

-----  
Date: Wed, 9 Oct 2002 13:37:20 -0400  
From: Ed Lawson <elawson@lawson-philpot.com>  
To: ki6ds@dph.dpol.net  
Cc: qrp-l@lehigh.edu  
Subject: [137675] Re: Dan Tayloe and Dave Fifield Pacificon Speakers  
Message-ID: <20021009133720.46baff50.elawson@lawson-philpot.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

On Wed, 9 Oct 2002 09:42:07 -0700

"Doug Hendricks" <ki6ds@dph.dpol.net> wrote:

> Guys, boy do we have a treat in store for you. Dan Tayloe has designed the  
> NorCal 30, which will be the next NorCal Kit,

Would it be possible to say a little more about it? Such as does it have digital  
dial, keyer, approximate shape/size, power, what type of VFO, expected  
availability?

Ed Lawson  
K1VP

-----  
Date: Wed, 09 Oct 2002 10:28:18 -0700  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: elecraft@mailman.qth.net  
Cc: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@groups1.vip.scd.yahoo.com>  
Subject: [137676] New Elecraft K2 and Option Manuals Index  
Message-ID: <3DA46732.CECBB48D@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Fred, KE7X, has compiled an excellent keyword index to the K2 and its option  
manuals. I have added the .pdf file to our manual download page at  
<http://www.elecraft.com>

Thanks Fred!

73, Eric WA6HHQ

-----  
Date: Wed, 09 Oct 2002 13:28:49 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: qrp-l@lehigh.edu  
Subject: [137677] Disciplining list members  
Message-ID: <3DA46751.F1157254@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

There seem to be a number of you who think that I need disciplining.  
This may be so, and is perfectly OK, but the methods you use are all  
wrong.



NEVER discipline/berate/rebuke a person in public if you want to get a behavior change. Many of you say you are, or have been, bosses. Many of you say you are leaders in the Boy Scouts, etc. I suggest you reread the sections on discipline.

All that public discipline will do is get you a surly person. Ask yourselves, how would I feel if I got the same message. Let your conscience be your guide.

I don't expect any replies to this posting. It is for your information only!

73

-----  
Date: Wed, 9 Oct 2002 12:37:42 -0500 (EST)  
From: <igeq100@iupui.edu>  
To: Joe W2KJ <w2kj@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [137678] Re: K8RA iambic paddle  
Message-ID: <Pine.GS0.3.96.1021009123355.13921E-100000@jade.iupui.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Joe -

I got a paddle from K8RA a while ago, and I am very happy with it. I am not into very close spacing, etc., since I like to feel the paddle movement. It has a good feel, is stable on the desk, and is well made and finished. It uses sleeve bearings of K8RA's design, and there is no play or lost motion. And his price is certainly reasonable.

73,  
Rich, WB9LPU

On Wed, 9 Oct 2002, Joe W2KJ wrote:

> Howdy gang:  
>  
> A while back there was mention of a new paddle on the market  
> made by K8RA <http://hometown.aol.com/k8ra/>  
>  
> I checked out the website and it looks like a nice paddle.  
>  
> If there are there any current QRP-L users of this paddle I  
> would sure appreciate your comments regarding feel,

> "settability" of very close-spaced adjustments, overall  
> stability, etc, etc.  
>  
> Want a new paddle to play with....BUT.....still looking for a  
> nice WBL V22 or WBL V2L iambic paddle...will pay accordingly.  
>  
> 73, Joe W2KJ  
>  
>  
>  
>  
>

-----  
Date: Wed, 09 Oct 2002 13:56:41 -0400  
From: W2AGN <w2agn@w2agn.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [137679] Re: Disciplining list members  
Message-ID: <3DA43599.25527.F1AFF36@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 9 Oct 2002 at 13:28, Bruce Muscolino wrote:

>  
> All that public discipline will do is get you a surly person. Ask  
> yourselves, how would I feel if I got the same message. Let your  
> conscience be your guide.

But what do you get if you already have a surly person?

--

/ \ / \ / \ / \ / \ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
\\_ / \\_ / \\_ / \\_ / \\_ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB  
Ex- K3HLU, TF2WKT, W7JEF, W4MPC, N4JS

-----  
Date: Wed, 9 Oct 2002 14:35:37 -0400 (EDT)  
From: <n2go@arrl.net>  
To: W2AGN <w2agn@w2agn.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [137680] Re: Disciplining list members  
Message-ID: <Pine.LNX.4.33.0210091435010.553-1000000@valhalla.v>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

And the answer is - crybaby.

73,

Jim n2go

-----  
Date: Wed, 9 Oct 2002 14:20:01 -0400  
From: Rob Matherly <w0jrm@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [137681] Results of age/ham thread  
Message-ID: <200210091921.g99JLHQJ025513@mail.iowasocean.com>  
Content-Type: text/plain;  
charset="iso-8859-1"  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

Okay, here it is... the results of that whole age/ham thread. I haven't checked it 100% for correctness (it's at 99.99% right now, so.....), and haven't gone through it 100% with the spell checker. But there it is if you wanna look at 'er :^)

<http://members.iowasocean.com/jimrob/qrpstats.html>

Also, another list member got a bug you-know-where to play around with the data. Here's his pages:

<http://www.oct.net/~jacq/aro/age.htm>

<http://www.oct.net/~jacq/aro/age2.htm>

Someone better reply so I know I didn't spend approx. 10 hours on my page for nothing :^)

--

72/73/oo  
Rob, w0jrm

Using Mandrake Linux 8.2 99.97832% of the time

Visit my website!

=====

<http://www.qsl.net/w0jrm>

=====

-----  
Date: Wed, 09 Oct 2002 15:42:11 -0400

From: W2AGN <w2agn@w2agn.net>

To: w0jrm@arrl.net,

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [137682] Re: Results of age/ham thread

Message-ID: <3DA44E53.8349.F7B94FD@localhost>

MIME-version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Content-description: Mail message body

On 9 Oct 2002 at 14:20, Rob Matherly wrote:

> Okay, here it is... the results of that whole age/ham thread. I haven't  
> checked it 100% for correctness (it's at 99.99% right now, so.....), and  
> haven't gone through it 100% with the spell checker. But there it is if you  
> wanna look at 'er :^)  
>  
> <http://members.iowasocan.com/jimrob/qxplstats.html>  
>  
> Also, another list member got a bug you-know-where to play around with the  
> data. Here's his pages:  
> <http://www.oct.net/~jacq/aro/age.htm>  
> <http://www.oct.net/~jacq/aro/age2.htm>  
>  
> Someone better reply so I know I didn't spend approx. 10 hours on my page for  
> nothing :^)

Well done.

--

/ \ / \ / \ / \ / \ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
 \\_ / \\_ / \\_ / \\_ / \\_ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB  
Ex- K3HLU, TF2WKT, W7JEF, W4MPC, N4JS

-----  
Date: Wed, 09 Oct 2002 12:39:07 -0700

From: "Richard Johnson" <richard\_johnson@credence.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [137683] Bypass  
Message-ID: <3DA485DB.FA0CC876@credence.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have a possible mundane question but then again maybe thought provoking.

What do builders use for bypass caps?  
That is values, why not bigger or smaller, type, or maybe combinations and of course consideration for self resonance..

What i have seen:

- 1) 0.1 uF disc ceramic +/- 20%
- 2) 0.001 uF disc ceramic +/- 20%
- 3) Both wrapped around each other.
- 4) 0.1 uF panasonic V series
- 5) Multilayer ceramics in 0.1 or 0.01 uF

Any educational comments would be considered gems.

cheer,  
rich

-----  
Date: Wed, 9 Oct 2002 15:58:48 -0400  
From: "Richard Brummer, K2JQ" <k2jq@rcn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [137684] Re: Results of age/ham thread  
Message-ID: <046301c26fce\$4867bf20\$6501a8c0@cable.rcn.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yes, very well done, and nice presentation.

Rob gets a gold star !

Dick K2JQ  
----- Original Message -----  
From: "W2AGN" <w2agn@w2agn.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, October 09, 2002 3:42 PM  
Subject: Re: Results of age/ham thread

> Well done.

-----  
Date: Wed, 9 Oct 2002 13:05:30 -0700  
From: Mark Schoonover <schoon@amgt.com>  
To: "'k2jq@rcn.com'" <k2jq@rcn.com>,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [137685] RE: Results of age/ham thread  
Message-ID: <BF889CEBEFD2D511B993009027F60ABE2518DF@AG-JASMINE-NT4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Well, all except that I'm below average... Sheesh, this list can be harsh!

:)

72

.mark

> -----Original Message-----  
> From: Richard Brummer, K2JQ [mailto:k2jq@rcn.com]  
> Sent: Wednesday, October 09, 2002 12:59 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: Results of age/ham thread  
>  
>  
> Yes, very well done, and nice presentation.  
>  
> Rob gets a gold star !  
>  
> Dick K2JQ  
> ----- Original Message -----  
> From: "W2AGN" <w2agn@w2agn.net>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: Wednesday, October 09, 2002 3:42 PM  
> Subject: Re: Results of age/ham thread  
>  
>

> > Well done.

>

>

>

-----  
Date: Wed, 9 Oct 2002 13:18:30 -0700 (PDT)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: qrp-l@lehigh.edu  
Subject: [137686] Re: Results of age/ham thread  
Message-ID: <20021009201830.67107.qmail@web10005.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

What an incredible presentation! Rob, take the rest of  
the week off, with pay. Your boss can direct any  
queries to: qrp-l@lehigh.edu

=====

73 es oo, Lloyd, K3ESE

K1 # 00379 - 20M Rock-Mite - Hunk o' Wahr  
ARRL - ARS #1301 - FISTS #8774  
FPqrp #476 - QRParci #11147  
QRP-L #2415 - SOC #530  
HGT #6'1 - Wgt #190 - BT #B-

-----  
Do you Yahoo!?  
Faith Hill - Exclusive Performances, Videos & More  
<http://faith.yahoo.com>

-----  
Date: Wed, 9 Oct 2002 16:26:07 -0400  
From: "w8diz" <w8diz@fpqrp.com>  
To: <qrp-l@lehigh.edu>, <fpqrp-l@fpqrp.com>  
Cc: <ngentzow@cinci.rr.com>  
Subject: [137687] OT: Solicitors/junk mail  
Message-ID: <003b01c26fd2\$1b538970\$b8cf1d41@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I wish there was a solution to E-Spam too :)  
I'm changing my phone and mail habits -Diz, W8DIZ

-----  
I suppose some degree of commerce would grind to a halt if telephone solicitors weren't able to call people at home during dinner hour. But that doesn't make it any more pleasant. Now Steve Rubenstein, a writer for the San Francisco Chronicle, has proposed "Three Little Words" based on his brief experience in a telemarketing operation that would stop the nuisance for all time. The three little words are "Hold On, Please."

Saying this while putting down your phone and walking off instead of hanging up immediately would make each telemarketing call so time-consuming that boiler rooms would grind to a halt. When you eventually hear the phone company's beep-beep-beep tone, you know it's time to go back and hang up your handset, which has efficiently completed its task. This might be one of those articles you'll want to e-mail to your friends. Three little words that eliminate telephone soliciting.

And how about the nuisance of junk mail? A good idea for when you get ads in your phone or utility bills: return them with the payment! Let the companies throw them away. When you get those pre-approved letters in the mail for everything from credit cards to 2nd mortgages and junk like that, most of them come with postage paid return envelopes.

Why not get rid of some of your other junk mail and put it in these cool little envelopes? Send an ad for your local chimney cleaner to American Express. Send the pizza coupon to Citibank. If you didn't get anything else that day then just send them their application back!

If you want to remain anonymous, just make sure your name isn't on anything you send them. You can send it back empty if you want, just to keep them guessing! Eventually, the banks and credit card companies will begin getting their junk back in the mail. Let's let them know what it's like to get junk mail. And the best part of it is that they're paying for it. Twice.

Let's help keep our postal service busy since they say e-mail is cutting into their business, and that's why they need to increase postage again.

Now, go enjoy your dinner.

-----



Date: Wed, 9 Oct 2002 14:30:15 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Bruce Muscolino <w6toy@erols.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [137688] Re: Disciplining list members  
Message-ID: <Pine.LNX.4.44.0210091426310.3210-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bruce, With this message to the list you have earned the special treatment I reserve for very few people! I use linux and today I will set my mail sorter to catch all your future mail and place it in a special storage place called /dev/null. Now I will no longer read anything you send either to this list or to me direct.

You have earned this.

On Wed, 9 Oct 2002, Bruce Muscolino wrote:

> There seem to be a number of you who think that I need disciplining.  
> This may be so, and is perfectly OK, but the methods you use are all  
> wrong.  
>  
> NEVER discipline/berate/rebuke a person in public if you want to get a  
> behavior change. Many of you say you are, or have been, bosses. Many  
> of you say you are leaders in the Boy Scouts, etc. I suggest you reread  
> the sections on discipline.  
>  
> All that public discipline will do is get you a surly person. Ask  
> yourselves, how would I feel if I got the same message. Let your  
> conscience be your guide.  
>  
> I don't expect any replies to this posting. It is for your information  
> only!  
>  
> 73  
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Wed, 9 Oct 2002 21:43:26 +0100

From: "Ray Goff" <radioham@gmx.co.uk>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [137689] Re: Bypass  
Message-ID: <003101c26fd4\$89fdb290\$73f00350@starfishrcg>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi,

The choice of bypass capacitor depends on a number of parameters, including most importantly the frequency for frequencies to be bypassed.

There is no such thing as a pure capacitor, most of them have inductance associated with their leads, larger electrolytics also have a series resistance. The resistance and inductance has some nasty side effects, for example you could end up actually amplifying the signal you are trying to bypass if the cap and its effective inductance happen to be resonant at the bypass frequency!

Because of this inherent inductance and resistance, a high value cap, which should theoretically act as a good bypass at high frequencies, will in fact be very ineffective and so it is usual to place a couple of caps with values a decade or more apart in parallel to improve decoupling across a range of frequencies.

The tolerance and temperature stability of decoupling caps is not as important as their construction. Low series resistance and series inductance are the goals. The opposite would be true for coupling capacitors or caps used in the resonant circuit of an oscillator, for example.

It is also important to choose the points at which the decoupling is applied and it is not unusual for an engineer to add the final decoupling components after the circuit card has been laid out and the prototype board have been built.

Hope this helps,

72 de Ray, g4fon

-----  
Date: Wed, 09 Oct 2002 16:50:31 -0400  
From: W2AGN <w2agn@w2agn.net>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [137690] Re: Disciplining list members  
Message-ID: <3DA45E57.12112.FBA1FFC@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 9 Oct 2002 at 14:30, Karl F. Larsen wrote:

>  
> Hi Bruce, With this message to the list you have earned the special  
> treatment I reserve for very few people! I use linux and today I will  
> set my mail sorter to catch all your future mail and place it in a  
> special storage place called /dev/null. Now I will no longer read  
> anything you send either to this list or to me direct.  
>  
> You have earned this.  
>

The detailed explanation of how Karl cleverly accomplished this with  
Linux is priceless.

More schoolyard "I'm not speaking to you, or listening to you, nyah,  
nyah, nyah."

We have had AGE/Years as ham. How about emotional age?

Those of you with your fingers aching to assign me a 6 or 7 can just go  
stand in the corner. I'm 8 1/2 in two weeks, so there!

--

/ \ / \ / \ / \ / \ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
\\_ / \\_ / \\_ / \\_ / \\_ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB  
Ex- K3HLU, TF2WKT, W7JEF, W4MPC, N4JS

-----  
Date: Wed, 9 Oct 2002 15:49:46 -0500  
From: "KD5NWA" <KD5NWA@mbayona.com>  
To: <richard\_johnson@credence.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [137691] RE: Bypass

Message-ID: <NGBBJPBAOLKEABLLGGKBCEIACFAA.KD5NWA@MBayona.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

No one capacitor has perfect qualities, so if you are smart you sprinkle a variety of different capacitors, the larger values like .1 Ufd are good for transients on the power lines but are generally not good for really high frequencies, the .001 Ufd tend to have better high frequency response, but can't handle large transients due to their small size. I personally when I design something complex, I like to put a mixture of bypass capacitors to handle all possibilities. I like to use Tantalum capacitors 3.3 - 45 Ufd for general bulk decoupling, they tend to have much better response than the cheaper electrolytic capacitors, then a mixture of .1, .01, .001 Ufd monolithic capacitor, because they also tend to have better frequency response than their equivalent size disk ceramics. If the project is not super critical in terms of noise required to be eliminated then I would use a mixture of cheaper disk capacitors.

Cecil  
KD5NWA

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Richard Johnson  
Sent: Wednesday, October 09, 2002 2:39 PM  
To: Low Power Amateur Radio Discussion  
Subject: Bypass

I have a possible mundane question but then again maybe thought provoking.

What do builders use for bypass caps?  
That is values, why not bigger or smaller, type, or maybe combinations and of course consideration for self resonance..

What i have seen:

- 1) 0.1 uF disc ceramic +/- 20%
- 2) 0.001 uF disc ceramic +/- 20%
- 3) Both wrapped around each other.
- 4) 0.1 uF panasonic V series
- 5) Multilayer ceramics in 0.1 or 0.01 uF

Any educational comments would be considered gems.

cheer,  
rich

-----  
Date: Wed, 09 Oct 2002 16:58:03 -0400  
From: Dave Fouchey <dafouchey@comcast.net>  
To: w2agn@w2agn.net,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [137692] Re: Disciplining list members-inane comment alert  
Message-ID: <4.1.20021009165730.009354e0@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

My Mother In Law?

Dave  
WA4EMR

At 01:56 PM 10/9/02 -0400, W2AGN wrote:  
>On 9 Oct 2002 at 13:28, Bruce Muscolino wrote:  
>  
>>  
>> All that public discipline will do is get you a surly person. Ask  
>> yourselves, how would I feel if I got the same message. Let your  
>> conscience be your guide.  
>  
>  
>But what do you get if you already have a surly person?  
>--  
>  
> / \ / \ / \ / \ / \ John L. Sielke  
>( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
> \\_ / \\_ / \\_ / \\_ / \\_ QRPARCI, NJQRP, ARQrp,GQRP,RSGB  
>Ex- K3HLU, TF2WKT, W7JEF, W4MPC, N4JS

-----  
Date: Wed, 9 Oct 2002 15:05:38 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [137693] Battery Charger progress  
Message-ID: <Pine.LNX.4.44.0210091450290.3210-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Reading the data sheets on the LM3647 makes it look like a really good battery charger can be designed that will properly charge a Ni-Cad, Ni-MH or Li-ion battery by setting a switch on the panel. Since the Ni-Cad is old technology it might be that dropping that setting will save a little money. If not it won't be dropped, but since the other 2 battery types have no memory, the discharge circuit will not be used.

The choices are constant DC current with modified levels during charge, Pulsed constant current also with modified levels during charge and a timer to stop charging after X minutes selectable. It has a battery temperature control as well but I'm not sure we want to use this.

This charger will have a long term life since it works well with the new Li-ion battery. I envision a 2 terminal plug that you have several jacks with wires to the many batteries you have that you want to charge.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Wed, 9 Oct 2002 14:14:36 -0700  
From: Mark Schoonover <schoon@amgt.com>  
To: "'dafouchey@comcast.net'" <dafouchey@comcast.net>,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [137694] RE: Disciplining list members-inane comment alert  
Message-ID: <BF889CEBEFD2D511B993009027F60ABE2518E3@AG-JASMINE-NT4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Start up a qrp-surly

.mark

> -----Original Message-----  
> From: Dave Fouchey [mailto:dafouchey@comcast.net]  
> Sent: Wednesday, October 09, 2002 1:58 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: Disciplining list members-inane comment alert  
>  
>

> My Mother In Law?  
>  
> Dave  
> WA4EMR  
>  
> At 01:56 PM 10/9/02 -0400, W2AGN wrote:  
> >On 9 Oct 2002 at 13:28, Bruce Muscolino wrote:  
> >  
> >>  
> >> All that public discipline will do is get you a surly person. Ask  
> >> yourselves, how would I feel if I got the same message. Let your  
> >> conscience be your guide.  
> >  
> >  
> >But what do you get if you already have a surly person?  
> >--  
> >  
> > /\_ \ /\_ \ /\_ \ /\_ \ /\_ \ John L. Sielke  
> >( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
> > \\_ / \\_ / \\_ / \\_ / \\_ / QRPARCI, NJQRP, ARQrp,GQRP,RSGB  
> >Ex- K3HLU, TF2WKT, W7JEF, W4MPC, N4JS  
>  
>

-----  
Date: Wed, 09 Oct 2002 17:48:21 -0400  
From: Bill WALTER <wa8jpr@comcast.net>  
To: w2agn@w2agn.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [137695] Re: Disciplining list members  
Message-ID: <777e174850.74850777e1@icomcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-language: en  
Content-transfer-encoding: 7BIT  
Content-disposition: inline

I subscribed to this list with the hope that I would learn a little about qrp operation and operators. I have most certainly learned about the latter. Most of what I have learned is that many are able to write vitriolic, inane and spiteful comments to one another. I also learned, through a seemingly endless thread about age and hams, that most are old enough to know better. Guess now I can leave and go read a good book.

-----

Thanks,  
de ken n9vv  
<n9vv@arrl.net>

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```
--
><><><><><><><><><><><><><>
              72-73-00
            (W)(O)(J)(R)(M)
Rob Matherly - Plano, Iowa - EN30ls
http://www.qsl.net/w0jrm
AIM-w0jrm; ICQ-114690148; Y!-w0jrm
```

-----



Date: Wed, 09 Oct 2002 23:19:05 +0100 (BST)  
From: J.Bennett@lboro.ac.uk  
To: w2agn@w2agn.net, W2AGN <w2agn@w2agn.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [137698] Re: Disciplining list members  
Message-ID: <1034201945.3da4ab594c082@staff-webmail.lboro.ac.uk>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 8bit

Guys, Guys, PLEASE DROP IT! Have you any idea what this looks like to the outside world. For gods sake, Please get back to QRP!!!!

PLEASE.

Jack G3PVG

Quoting W2AGN <w2agn@w2agn.net>:

> On 9 Oct 2002 at 14:30, Karl F. Larsen wrote:  
>  
> >  
> > Hi Bruce, With this message to the list you have earned the special  
> > treatment I reserve for very few people! I use linux and today I will  
> > set my mail sorter to catch all your future mail and place it in a  
> > special storage place called /dev/null. Now I will no longer read  
> > anything you send either to this list or to me direct.  
> >  
> > You have earned this.  
> >  
>  
> The detailed explanation of how Karl cleverly accomplished this with  
> Linux is priceless.  
>  
> More schoolyard "I'm not speaking to you, or listening to you, nyah,  
> nyah, nyah."  
>  
> We have had AGE/Years as ham. How about emotional age?  
>  
> Those of you with your fingers aching to assign me a 6 or 7 can just go  
> stand in the corner. I'm 8 1/2 in two weeks, so there!  
>  
>  
>  
> --  
>  
> / \ / \ / \ / \ / \ John L. Sielke



Subject: [137700] Re: Disciplining list members  
Message-ID: <004a01c26fe2\$f672b5c0\$41365742@jgypin>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Pretty well said. Like I said before, I cannot believe some of the traffic that is going on here these days on the open list.

Jess AE0CW (ex N0TFI in case some of you were wondering)

----- Original Message -----

From: "Bill WALTER" <wa8jpr@comcast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, October 09, 2002 15:48 PM  
Subject: Re: Disciplining list members

> I subscribed to this list with the hope that I would learn a little  
> about qrp operation and operators. I have most certainly learned  
> about the latter. Most of what I have learned is that many are able  
> to write vitriolic, inane and spiteful comments to one another. I  
> also learned, through a seemingly endless thread about age and hams,  
> that most are old enough to know better. Guess now I can leave and go  
> read a good book.  
> 73  
>  
> Bill Walter WA8JPR  
>

-----  
Date: Wed, 09 Oct 2002 18:44:16 -0400  
From: Jimmy Lee <jrllaudio@bellsouth.net>  
To: wa8jpr@comcast.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [137701] Re: Disciplining list members  
Message-ID: <3DA4B140.EAAEEBA2@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I wonder how many fell the same?  
Jimmy, AE4DT

Bill WALTER wrote:

> I subscribed to this list with the hope that I would learn a little  
> about qrp operation and operators. I have most certainly learned  
> about the latter. Most of what I have learned is that many are able  
> to write vitriolic, inane and spiteful comments to one another. I  
> also learned, through a seemingly endless thread about age and hams,  
> that most are old enough to know better. Guess now I can leave and go  
> read a good book.  
> 73  
>  
> Bill Walter WA8JPR

-----  
Date: Wed, 09 Oct 2002 18:44:59 -0400  
From: Jimmy Lee <jrllaudio@bellsouth.net>  
To: J.Bennett@lboro.ac.uk  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [137702] Re: Disciplining list members  
Message-ID: <3DA4B16B.98B4600B@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yes, many agree.

J.Bennett@lboro.ac.uk wrote:

> Guys, Guys, PLEASE DROP IT! Have you any idea what this looks like to the  
> outside world. For gods sake, Please get back to QRP!!!!  
>  
> PLEASE.  
>  
> Jack G3PVG  
>  
> Quoting W2AGN <w2agn@w2agn.net>:  
>  
> > On 9 Oct 2002 at 14:30, Karl F. Larsen wrote:  
> >  
> > >  
> > > Hi Bruce, With this message to the list you have earned the special  
> > > treatment I reserve for very few people! I use linux and today I will  
> > > set my mail sorter to catch all your future mail and place it in a  
> > > special storage place called /dev/null. Now I will no longer read  
> > > anything you send either to this list or to me direct.

> > >  
> > > You have earned this.  
> > >  
> >  
> > The detailed explanation of how Karl cleverly accomplished this with  
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> > More schoolyard "I'm not speaking to you, or listening to you, nyah,  
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> >  
> > We have had AGE/Years as ham. How about emotional age?  
> >  
> > Those of you with your fingers aching to assign me a 6 or 7 can just go  
> > stand in the corner. I'm 8 1/2 in two weeks, so there!  
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> >  
> > /\_ \ /\_ \ /\_ \ /\_ \ /\_ \ John L. Sielke  
> > ( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
> > \\_/ \\_/ \\_/ \\_/ \\_/ \\_/ QRPARCI, NJQRP, ARQrp,GQRP,RSGB  
> > Ex- K3HLU, TF2WKT, W7JEF, W4MPC, N4JS  
> >  
> >  
> >

-----  
Date: Wed, 9 Oct 2002 18:38:26 -0400  
From: "George Heron N2APB" <n2apb@erols.com>  
To: ". Eastern PA QRP Club" <EPA-QRP@yahoogroups.com>,  
"NOVAQRP" <NoVaQRP@topica.com>, "NJQRP" <njqrp@njqrp.org>,  
Subject: [137703] Serial CW Sender Kit - new, improved & shipping!  
Message-ID: <000501c26fe4\$c2813730\$ceca9cce@GHLTP4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi folks -

Good news ... the Serial CW Sender Kit is now shipping from the NJQRP.  
We've described it before, but briefly again this is a kit designed by Dave  
Ek, NK0E that interfaces the Golog contesting software running on the Palm  
PDA to your HF rig. It provides the keying interface for Morse code input  
to the transceiver, and accepts direct input from your paddle as well (i.e.,

it's a keyer). Dave's article on this was in past issues of QRP Homebrewer (#8) and ARCI QRP Quarterly magazines.

Besides that it's now shipping, the other good news is that we're using a pretty good looking PC board (includes silk & mask), making the kit a dream to assemble.

Further, the PC board mates with a nice little Hammond plastic enclosure that is included in the kit. The PC board was designed specifically for this case and it fits like a glove! All you need to do is drill, nibble, grind or file some basic holes according to the cutting template provided in the kit and the assembled PC board slips right into the ABS plastic case. (The NJ Islander Pad Cutter is just great for cutting holes in ABS plastic cases!) A template of the "top panel label" is provided - just cut it out and glue it on the top of the case.

You can see some good pics of the board & enclosure at the kit website:  
<http://www.njqrp.org/palmserialsender/index.html>

A neat thing about this NJQRP kit is that it works great as intended with the Palm PDA, but some guys have already reprogrammed for use as:

- a standalone keyer (no PDA req'd)
- as a keyboard keyer (computer plugged into DB9 serial port)
- as a "commander" controller for an HF rig CI-V serial port (radio serial port connected to DB9)

As it turns out, this is a great little general purpose experimenter's board for PIC programming! And it also happens to have a ready-made software library for talking to a Palm PDA software program (source code is also available from the NK0E website.) It's a digital homebrewing ham's dream platform!

Anyway, check out the kit's website and see what \*you\* might be able to do with it, above and beyond contesting with your PDA! We think there will be a bunch of extensions to this project.

73, George N2APB [n2apb@amsat.org](mailto:n2apb@amsat.org)  
& Dave AA3UR [njqrp-kits@comcast.net](mailto:njqrp-kits@comcast.net)  
for the NJQRP Club at <http://www.njqrp.org>

-----  
Date: Wed, 9 Oct 2002 17:39:42 -0400  
From: Rob Matherly <[w0jrm@arrl.net](mailto:w0jrm@arrl.net)>

To: Cwkmail@aol.com  
Cc: qrp-l@lehigh.edu  
Subject: [137704] Re: Results of age/ham thread  
Message-ID: <200210092242.g99MgdQJ001460@mail.iowasocan.com>  
Content-Type: text/plain;  
charset="iso-8859-1"  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

On Wednesday 09 October 2002 06:15 pm, you wrote:

\$> Just saw your QRP-L posting of October 9, in which you sought responses  
\$> to the results of your study of the ages of active QRP ops.  
\$>  
\$> Well, your study confirms what I'd already suspected as a result of  
\$> seeing all the salt-and-pepper hair at ham radio flea markets: we're a  
\$> bunch of middle-aged (and older) guys. I'd like to see more kids  
\$> involved in the hobby, but frankly, I don't know whether ham radio can  
\$> compete with the more exciting attractions for kids' attention these  
\$> days.

Being a young guy myself, I know where you're coming from. I'm 20, licensed at 15. The reason I got licensed is because a guy I had been friends with since we were about 8 was getting his. The reason he was getting his was because his dad was best friends with a ham.

Radio is something that has interested me since I was crawling (I can remember tearing radios apart when I was 5 to see what was in there). But if it wasn't for him, I wouldn't have a license!

I think the main problem is a combo of the internet, wanting to be "cool", and (to put it bluntly) looking for tail. I've always been the type that doesn't go for "the norm", so I never really worried if I wouldn't look cool. I'll admit that the internet has put a big dent in the amount of contacts I make (none in the last 6 months). As for the third, I never was too good at that anyway ;^) Plus I'm a Christian since birth, and have my opinions on that... but I don't want to delve (sp) off into a religious essay, hi hi :^)

Aside from that, what kid wants to put the effort into getting a license? Society today awards "get it now", and just about everyone looks for the quick route to enjoyment. What person with that attitude wants to take the time to study, learn code, and pass tests?

Certainly people have had that type of attitude since the dawn of time. But there are also quite a bit more people with that attitude :^)

Do I think ham radio will die? No. Do I think things will stay as they are? Certainly not. I foresee (sp) a future where there are a tiny amount of hams

looked upon with "what do those creepy guys do?" and "are they still around"  
attitudes that people have twoards free masons :^)

We'll be relegated (most likely, IMO) to a small sliver of space in the HF spectrum, everything over 50 MHz being harvested by an all-consuming, infinitely-expanding "wireless telecommunications" industry. Sure, there might be a vastly-reduced-in-size 2 meter band, but odds are it'll be packed wall-to-wall with unused repeaters.

Anyhoo, that's my two cents :^)

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><><><><><><><><><><><><><>
72-73-00
(W)(O)(J)(R)(M)
Rob Matherly - Plano, Iowa - EN30ls
http://www.qsl.net/w0jrm
AIM-w0jrm; ICQ-114690148; Y!-w0jrm
```

Date: Wed, 9 Oct 2002 23:37:58 +0100  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: "Low Power" <qrp-l@lehigh.edu>  
Subject: [137705] DC Rx module with DSP  
Message-ID: <DAV60ofDryc77kHg1XA0000e225@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

After listening to my new toy with a TDA7052 on the output (not very exciting, with about 55 dB of total gain) I put the output from it into the sound input on my PC, and plugged a pair of headphones into the speakers. The results were quite good, so I looked around for some suitable DSP filter software. I found a nice Windows program, DSPFIL by JE3HHT but couldn't get it to work properly, the FFT display worked fine, but I couldn't get any output.

I then dug out my Analog Devices EZ-Kit Lite DSP system, powered it up, plugged my amplified computer speakers into the output, and plugged the output from the Rx module into the EZ-Kit. Loading a filter into the EZ-kit from my laptop showed that everything was working, and I was getting a reasonable level of output audio. There was quite a lot of hum, which isn't surprising, as I probably had one or more ground loops, with a signal generator, PC, adaptor for the EZ-Kit, amplified speakers and my laptop all connected together. The Rx module was battery powered, though.



73, Leon

--

Leon Heller, G1HSM

leon\_heller@hotmail.com

[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

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End of QRP-L Digest 2704

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